

Classifying Polygons | Homework

Part I-

Use the diagram to identify all the polygons for each name.

10. quadrilateral

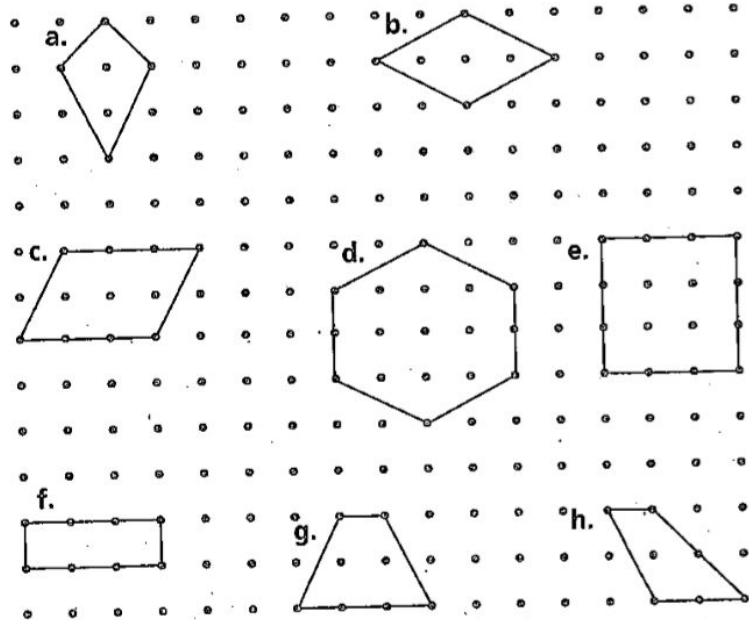
11. parallelogram

12. rhombus

13. rectangle

14. square

15. trapezoid



Part II- Always, Sometimes, Never

For each statement, check off whether it is always true, sometimes true or never true.

	Always True	Sometimes True	Never True
A rhombus is a square			
A square is a parallelogram			
A trapezoid is a quadrilateral			
A parallelogram is a rectangle			
A triangle is a parallelogram			

Part III-

Which explanation about figures is correct?

- A.** All rhombuses are parallelograms. Parallelograms have 2 pairs of parallel sides.
Therefore, all rhombuses have 2 pairs of parallel sides.
- B.** All rhombuses are parallelograms. Parallelograms have exactly 1 pair of parallel sides.
Therefore, all rhombuses have exactly 1 pair of parallel sides.
- C.** Only some rhombuses are parallelograms. Parallelograms have 2 pairs of parallel sides.
Therefore, only some rhombuses have 2 pairs of parallel sides.
- D.** Only some rhombuses are parallelograms. Parallelograms have exactly 1 pair of parallel sides.
Therefore, only some rhombuses have exactly 1 pair of parallel sides.